

# StarCall<sup>TM</sup> Telephones

Models: 7A1110, 7A1111A



7A1111A Standard Telephone



Model 7A1110  
Administrative Telephone

## Overview

### The Dukane Model 7A1110 Administrative Telephone (ATEL)

provides user-friendly access to all the features of the Dukane StarCall communications system. The 16-character LCD display shows all telephone, intercom, and paging status information related to the unit. Time and date display when the ATEL is idle. Ring tones are locally generated and produce cadences distinctive to the type of incoming call.

Ringer volume settings can be adjusted to high, low, or off.

The 28 pushbuttons include:

- One 12-button standard telephone key pad
- One speaker phone button, one push-to-talk button, and a one-button volume up/down switch
- One menu button, eight programmable general-purpose function keys and four programmable special function keys.

**The Dukane Model 7A1111A Standard Telephone**, a "Carrier Grade" analog telephone, is sold specifically for use with the Dukane StarCall Communications System. The attractive, two-piece design and neutral color let the 7A1111A blend with any institutional environment.

The 7A1111A features seven programmable one-touch dialing buttons. These buttons can be programmed to allow one-button dialing of important numbers, such as an administrative office, security, or for medical assistance. They can also be programmed as call-in buttons. These programmed numbers can contain pauses in the dialing sequence. All numbers programmed into the memory are protected by a long-life lithium battery that backs up the memory whenever the 7A1111A is not connected to a telephone jack.

## Standard Features

### Administrative Telephone (ATEL)

- Handset, Hands-Free, or Push-To-Talk Operation
- 16-Character Alphanumeric Display
- Alphanumeric 3-, 4-, or 5-Digit Numbering
- 12 User-Programmable Function Keys
- 16 Volume Levels
- Separate handset volume control
- Ring Signals:  
4 Distinctive Signals; 3 Selectable Levels
- Intercom Features:  
Queuing of Call-Ins; Queue Scroll & Select; Privacy Indication
- Telephone Features:  
Extension, PBX/KSU, and Outside Line Dial; Call Hold; Call Transfer; Call Forward; Music-On-Hold; Three-Party Conference
- System Features:  
Paging; Tone Distribution; Audio Program Distribution and Monitor; Background Music; System Time and Date in 12- or 24-Hour Mode

### 7A1111A Standard Telephone

- Business Class Speakerphone with Mute and volume control
- Seven programmable memory keys
- Last Number Redial
- Hold, Flash and Mute keys
- Dataport

## Application

Each ATEL requires two shielded 22 AWG pair for audio and data and one 18 AWG pair for power (we recommend the use of shield 22AWG wiring to minimize the potential of cross talk and interference from or to other electrical systems). The field wiring terminates at the ATEL location with a factory supplied modular receptacle. All field wires terminate at the central equipment location to a customer-provided distribution punch block. Maximum distance from an ATEL to the central equipment rack is 1,000 feet (305 m).

The Dukane Model 7A1111A Standard Telephone is sold specifically for use with the StarCall™ System. The attractive, two-piece design and neutral color let the 7A1111A blend with any institutional environment.

The 7A1111A features six programmable one-touch dialing buttons. These buttons can be programmed to allow one-button dialing of important numbers, such as an administrative office, security, or for medical assistance. They can also be programmed as call-in buttons. Numbers can contain pauses in the dialing sequence. All numbers programmed into the memory are protected by a long-life lithium battery that backs up the memory whenever the 7A1111A is not connected to a telephone jack.

A REDIAL button allows one-touch redialing of the last number called. The FLASH button can be used to activate system calling features such as call transfer and call forwarding.

A ringer volume control allows adjustment of the ring tone volume to suit the surrounding environment.

The Dukane Model 7A1110 Administrative Telephone (ATEL) provides user-friendly access to all the features of the Dukane integrated communications system. The 16-character LCD display shows all telephone, intercom, and paging status information related to the unit. Time and date display when the ATEL is idle. Ring tones are locally generated and produce cadences distinctive to the type of incoming call.

Ringer volume settings can be adjusted to high, low, or off.

The 28 pushbuttons include:

- One 12-button standard telephone key pad
- One speaker phone button, one push-to-talk button, and a one-button volume up/down switch
- One menu button, eight programmable general-purpose function keys and four programmable special function keys.

Two-way intercom communications to a room speaker can be privately conducted through the handset using a voice-activated switch (VOX), or through the built-in microphone and speaker using a push-to-talk switch (TALK) for manual audio direction control. Telephone conversations can be privately conducted through the handset, or through the built-in microphone and speaker in hands-free (auto) or push-to-talk (manual) mode. Voice and music speaker operations have 16 possible volume settings. One-way paging to speakers can either be conducted through the handset or through the microphone in the hands-free or push-to-talk mode.

Each ATEL requires two shielded 22 AWG pair for audio and data and one 18 AWG pair for power. The field wiring terminates at the ATEL location with a factory supplied modular receptacle. All field wires terminate at the central equipment location to a customer-provided distribution punch block. Maximum distance from an ATEL to the central equipment rack is 1,000 feet (305 m).

## Engineer's Specifications

### Standard Telephone

The telephones shall be the Dukane Model 7A1111A or approved equal. Telephones shall have six programmable one-touch dialing buttons. These buttons shall be programmed to allow one-button dialing of any system extension number. Programmed numbers to contain pauses in the dialing sequence. All telephone programming shall be protected by a long-life lithium battery.

The telephones shall provide a REDIAL button for one-touch redialing of the last number called. A FLASH button shall also be provided to activate system calling features such as call transfer and call forwarding.

A ringer volume control shall be provided for adjustment of the ring tone volume to suit the surrounding environment.

### Attendant Telephone

The attendant telephone shall be the Dukane Model 7A1110 to support system interface functionality.

The telephone shall have three volume levels (high, low, off) and four ringtones to indicate Intercom call-in, normal priority; Intercom call-in, emergency priority; Telephone extension call; PBX/KSU call.

The telephone shall provide the following:

- Extension dialing (3-, 4-, or 5-digit alphanumeric)
- PBX/KSU or outside line dialing (if system is so equipped)
- Direct dial, speed dial, or redial
- Call hold; Call transfer; Call forward
- Music-on-hold
- Three-party conference calling (requires an ARC-E Enhanced Audio Routing Card)
- Handset operation
- Microphone/speaker operation: hands-free speaker phone or half duplex with push-to-talk switching

The telephone shall have eight function keys: SCROLL; PREVIOUS; NEXT (for scrolling through call-in queue); MUSIC (background music); REDIAL (32 digits; additional dialing after redial); MUTE; PAUSE; FLASH; ANSWER (one-touch intercom connection).

Intercom functions shall include:

- 3-, 4-, or 5-digit alphanumeric dialing
- Direct dial, speed dial, or redial
- Queuing of call-ins
- One-touch answer of call-in
- Selectable answer of multiple call-ins
- Speaker privacy indication
- Handset operation: half duplex with VOX switching
- Microphone/speaker operation: half duplex with push-to-talk switching

System functions shall include:

- Direct dial, speed dial, or redial
- All call, zone, room, or emergency paging
- Paging in handset, hands-free, or push-to-talk modes
- System tone distribution from selectable source to all, zones, or rooms
- Audio program monitor
- System time, date, and schedule display and setting
- Background music at speaker (requires ATC-E4 Enhanced Administrative Telephone Card)

## Specifications

### 7A1110 Administrative Telephone

Output	Telephone line level for connection to system (proprietary)
Speaker	2.5" (4.6 cm), 8 Ohms, 1.5W
Microphone	Built-in condenser type
Handset And Cord	Electret transmitter, Dynamic receiver
Controls (keypad)	Conductive rubber keys; 0-9, *, #, SPKR PHONE, VOL up/down, TALK, MENU, 4 programmable special keys: EMERGENCY, TONE, PAGE, PROGRAM, and 8 programmable function keys: F1-F8
Power Requirements	24Vdc supplied by each shelf power supply (first eight ATELS in the system) 17A365 Power Supply (one required for each additional 24 ATELS connected to the system beyond the first eight)
Data Communication	Proprietary Local Operating Network (LON®), RS-485
Display	Large 16-character alphanumeric LCD
Ring Tone	4 cadences to indicate: <ul style="list-style-type: none"> <li>• Intercom call-in, normal priority</li> <li>• Intercom call-in, emergency priority</li> <li>• Telephone extension call</li> <li>• PBX/KSU call</li> <li>• 3 volume levels—high, low, and off</li> </ul>
Speed Dial	F1-F8 plus EMERGENCY, TONE, PAGE, PROGRAM: <ul style="list-style-type: none"> <li>• 32 digits</li> <li>• 0-9, * (alphanumeric dialing), # (room dialing), 1-second pause allows additional dialing after speed dial</li> </ul> <p>F1-F8 only:</p> <ul style="list-style-type: none"> <li>• SCROLL, PREVIOUS, NEXT (for scrolling through call-in queue)</li> <li>• MUSIC (background music)</li> <li>• REDIAL</li> <li>• MUTE</li> <li>• FLASH</li> <li>• ANSWER (one-touch intercom connection)</li> </ul>
Redial	<ul style="list-style-type: none"> <li>• 32 digits</li> <li>• Allows additional dialing after redial</li> </ul>
Intercom Functions	<ul style="list-style-type: none"> <li>• 3-, 4-, or 5-digit alphanumeric dialing</li> <li>• Direct dial, speed dial, or redial</li> <li>• Queuing of call-ins</li> <li>• One-touch answer of call-in</li> <li>• Selectable answer of multiple call-ins</li> <li>• Speaker privacy indication</li> <li>• Handset operation: half duplex with VOX switching</li> <li>• Microphone/speaker operation: half duplex with push-to-talk switching</li> </ul>
Telephone Functions	<ul style="list-style-type: none"> <li>• Extension dialing (3-, 4-, or 5-digit alphanumeric)</li> <li>• PBX/KSU or outside line dialing (if system is so equipped)</li> <li>• Direct dial, speed dial, or redial</li> <li>• Call hold</li> <li>• Call transfer</li> <li>• Call forward</li> <li>• Music-on-hold</li> <li>• Three-party conference calling (requires an ARC-E Enhanced Audio Routing Card)</li> <li>• Handset operation</li> <li>• Microphone/speaker operation: hands-free speaker phone or half duplex with push-to-talk switching</li> </ul>

System Functions	<ul style="list-style-type: none"> <li>• Direct dial, speed dial, or redial</li> <li>• All call, zone, room, or emergency paging</li> <li>• Paging in handset, hands-free, or push-to-talk modes</li> <li>• System tone distribution from selectable source to all, zones, or rooms</li> <li>• Audio program monitor</li> <li>• System time, date, and schedule display and setting</li> <li>• Background music at speaker (requires ATC-E4 Enhanced Administrative Telephone Card)</li> </ul>
Terminations	RJ-45 modular jack Customer-provided punch block
Housing	High impact, flame-retardant plastic
Dimensions	9-1/2" (23.75 cm) wide by 4-1/2" (11.25 cm) high and 8-3/4" (21.9 cm) deep
Weight	4 lbs (1.8 kg)
Accessories Provided	One 12-foot (3.7 m) modular cable Wall-mount jack

### 7A1111A Standard Telephone

Mounting	Adjustable baseplate for desktop or wall mounting
Housing	Rugged ABS plastic
Termination	Standard RJ-11C telephone jack
Controls	Standard 12-button telephone key pad Three one-touch dialing buttons STORE/IN, DIAL, REDIAL, and FLASH buttons Ringer volume and TONE/PULSE switches (must be in TONE mode when connected to StarCall System)
Dialing Mode	Standard DTMF tones
Color	Ivory
Regulatory	FCC registered, UL Listed

## Ordering Information

Model	Description	Shipping Wt.
7A1110	Administrative Telephone	4 lbs (1.8 kg)
7A1111A	Standard Telephone	1.5 lbs (0.68 kg)

### Associated Equipment for 7A1111A

110-3527A	ATC-E4 Expanded Administrative Telephone Card (4 ports)
17A365	Power Supply (for additional Administrative Telephones)
110-3531A STC-E	Standard Telephone Card (16 ports)
110-3775B BTC-P	Balanced Telephone Card (16 ports)



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